

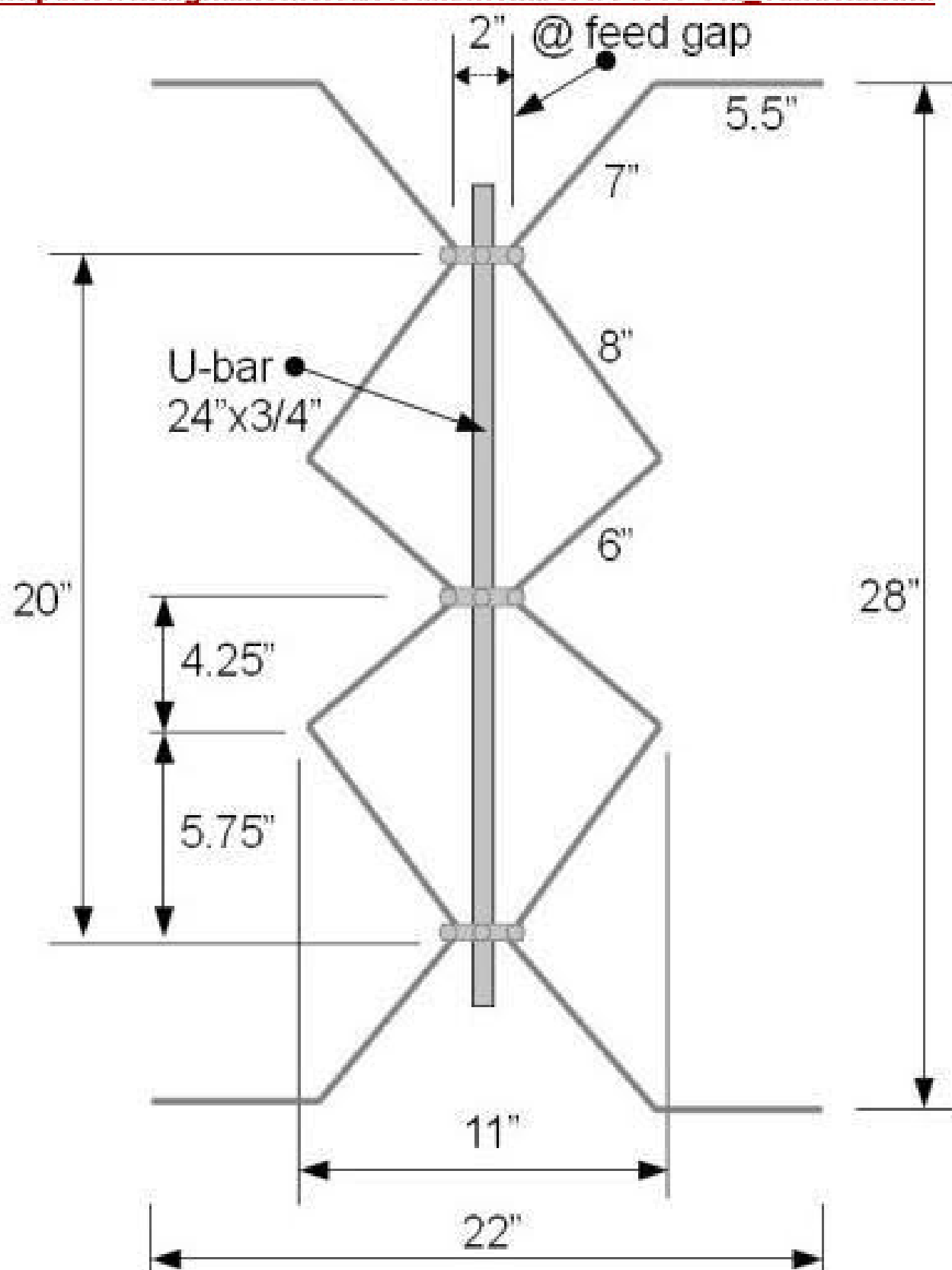
# 3D Super Stealth Hawk III Element Assembly

Modified to add 5.5" stubs

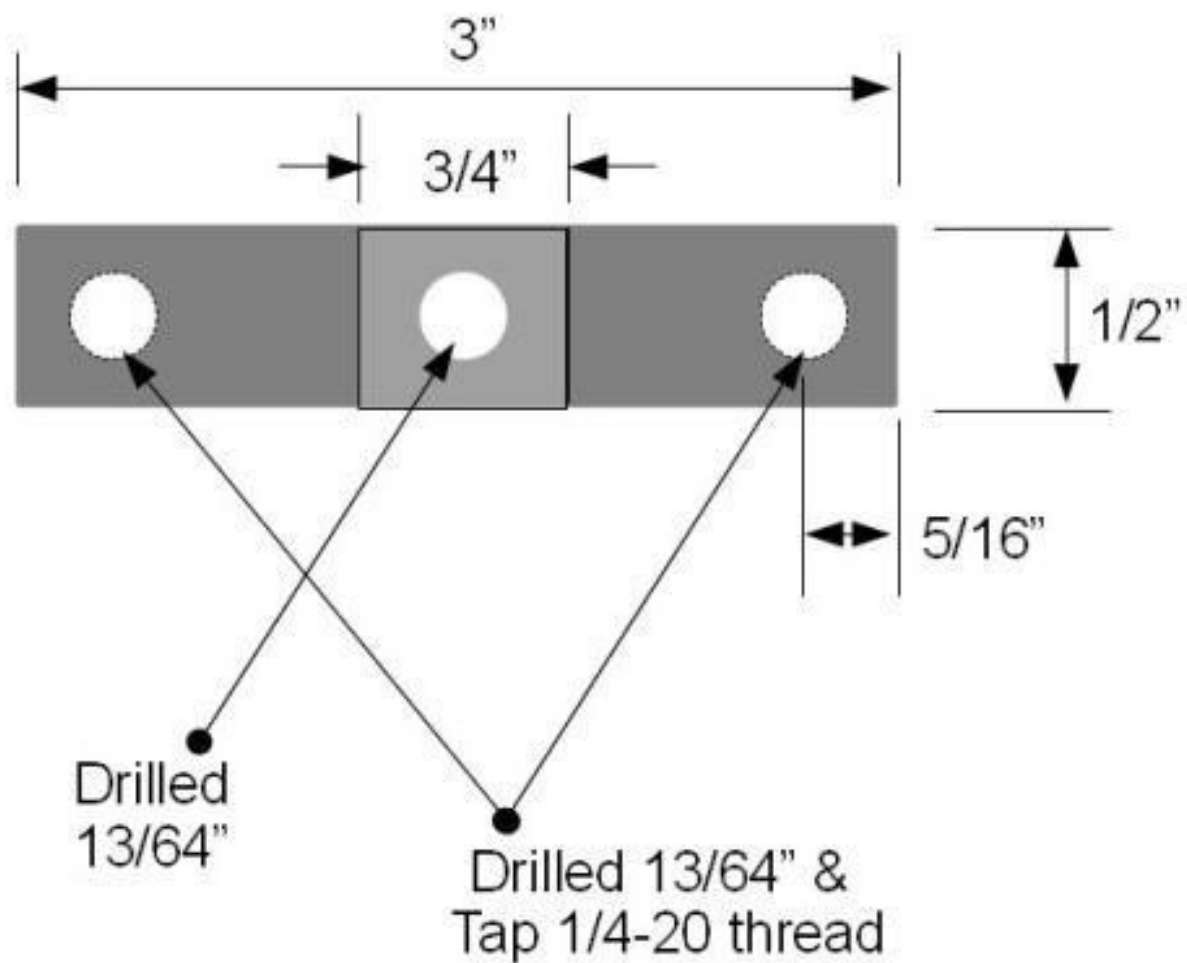
Swept back elements x5" between mount/stub tips

**\*Design by: ota\_canuck**

[http://www.digitalhome.ca/forum/members/64090-ota\\_canuck.html](http://www.digitalhome.ca/forum/members/64090-ota_canuck.html)



## 3D SSH III Driven Element Insulators

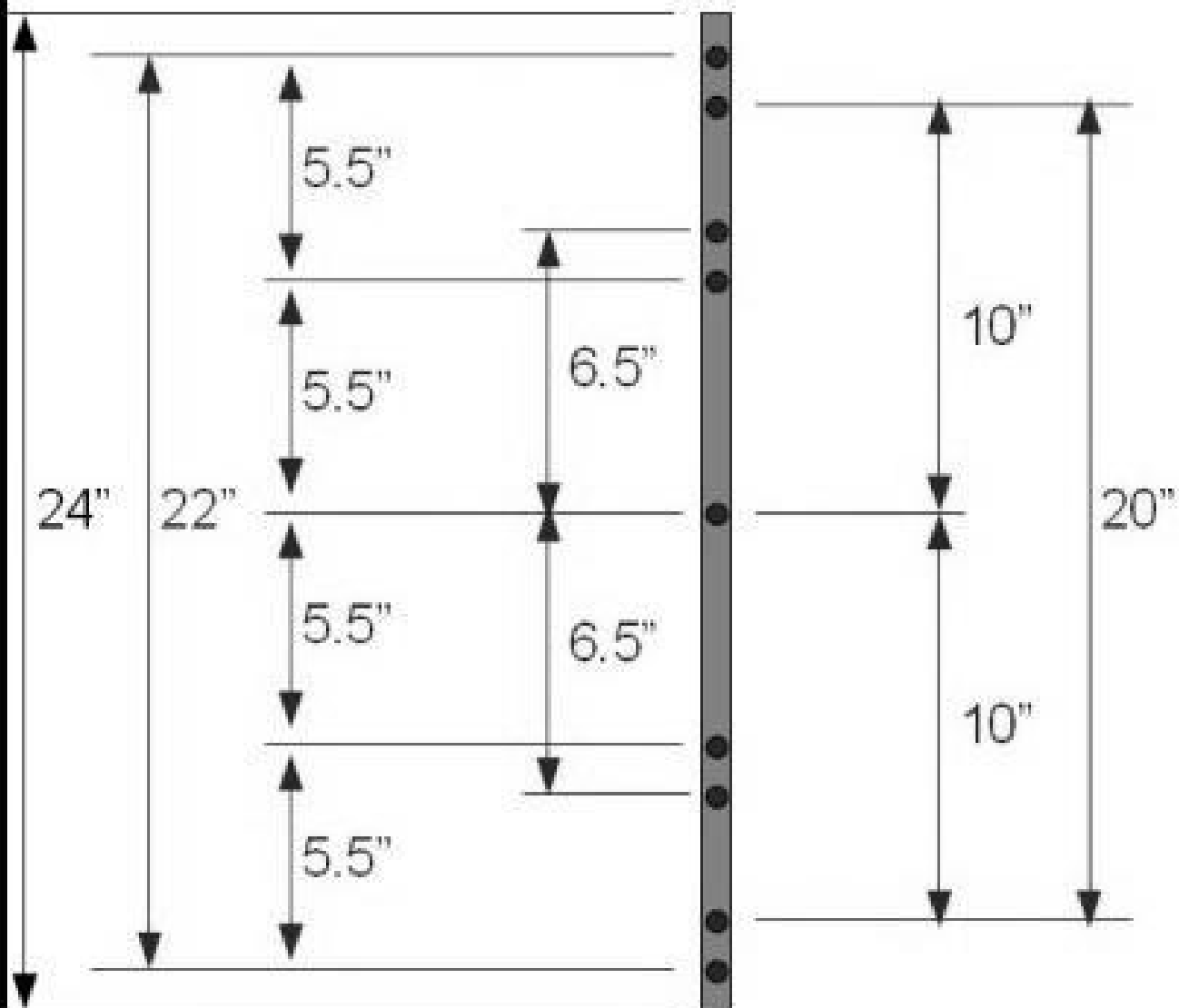


Material"  
1/2" x 3/16"  
Fiberglass rod



# SSH III ZZ4 U-bar

## Hole Drilling Dimensions



3/4"



Aluminium

● U-bar

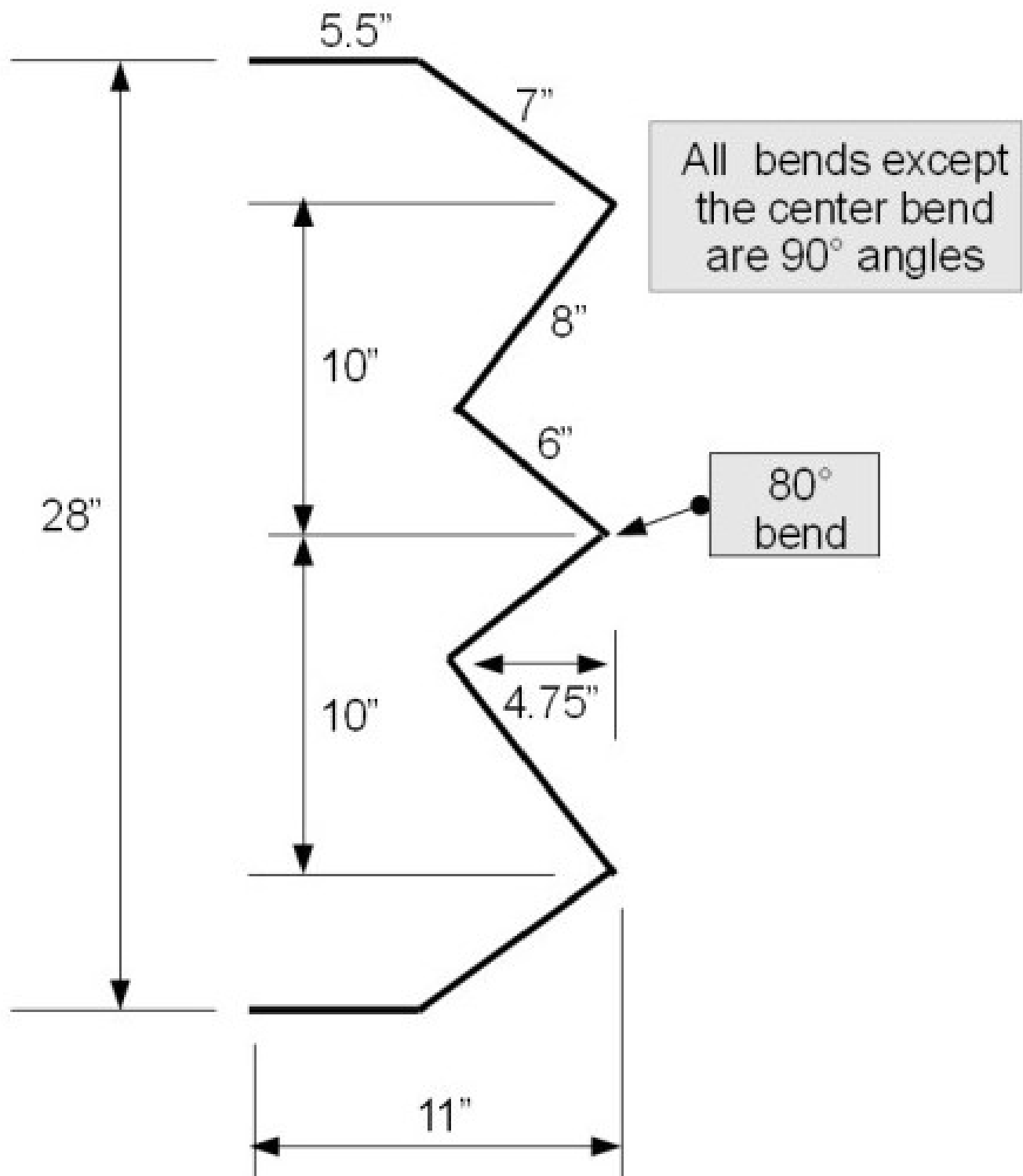


Overall U-Bar Size

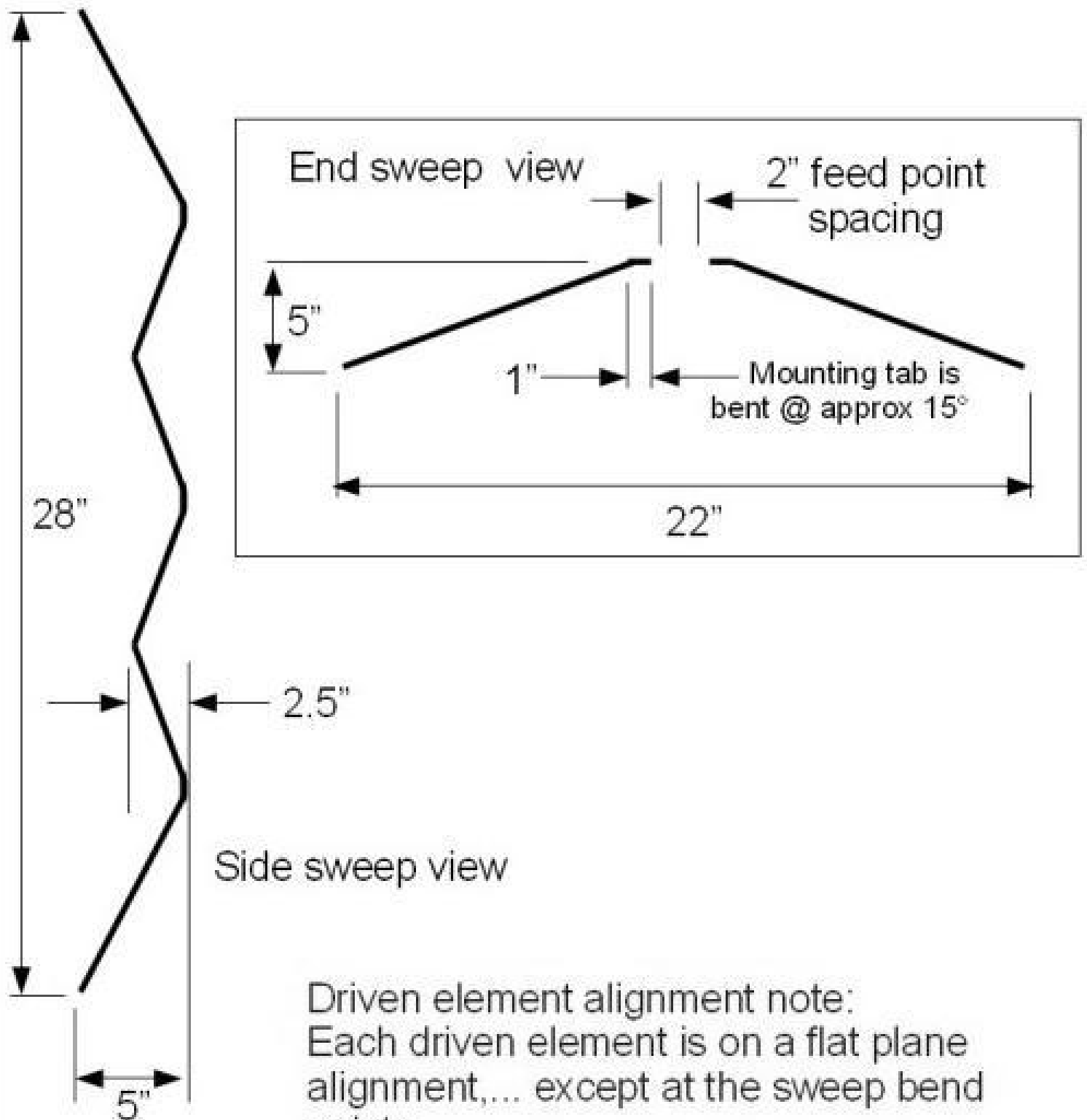


Drill 1/4" holes

# 3D Super Stealth Hawk III Driven Element



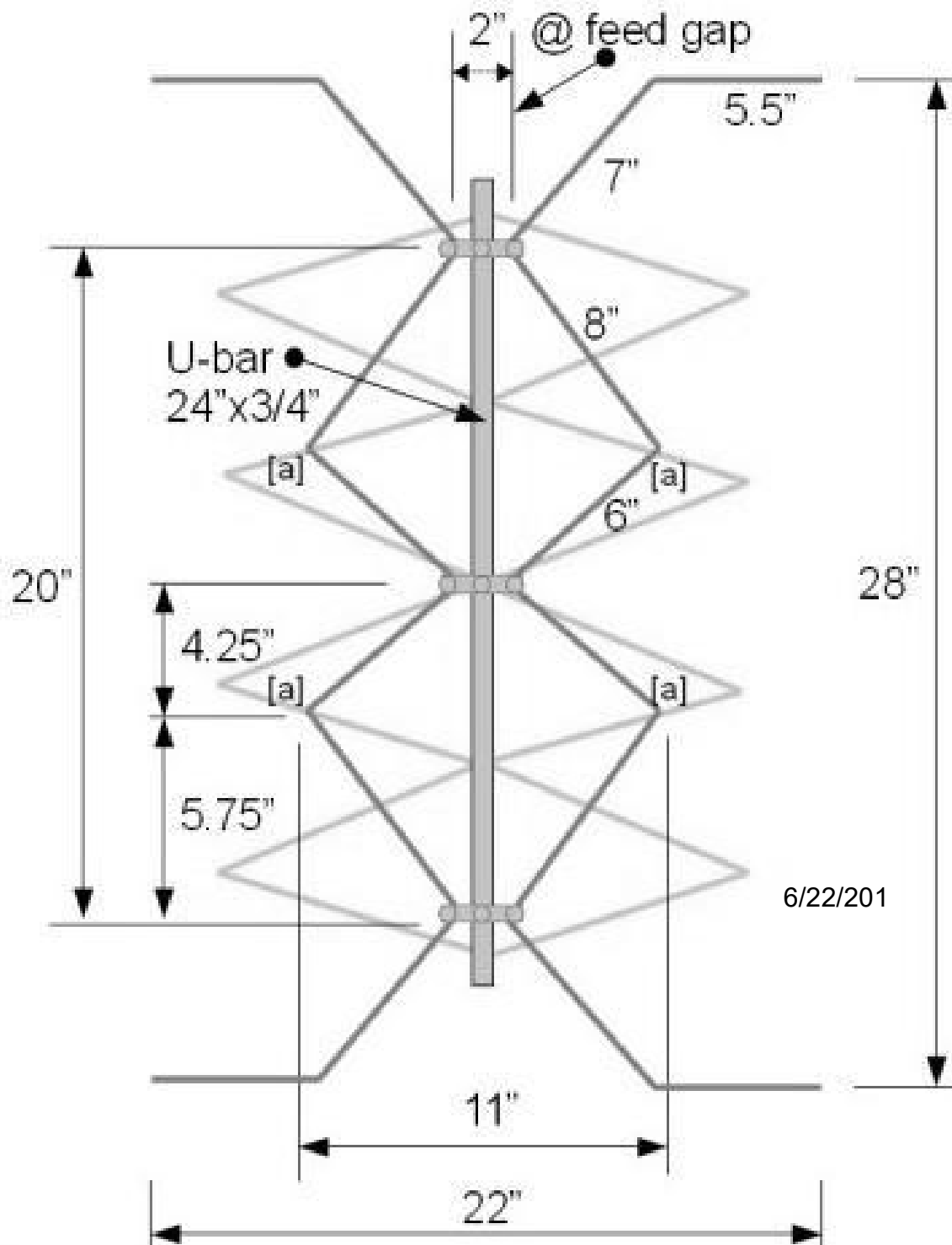
# 3D SSH III Driven Element Swept-back



### 3D Super Stealth Hawk III with ZZ4 reflector

Modified to add 5.5" stubs

## Swept back SSH III elements with ZZ4 reflector



Note [a] – For final frequency tuning: A 1/2" -3/4" gap is required between the driven elements and the ZZ4 @ the four intersecting points as shown.

### Step 1

Prepare elements & 'U'bar

### Step 2

Attach center element 'V's first

### Step 3

Attach next two element 'V's

### Step 4

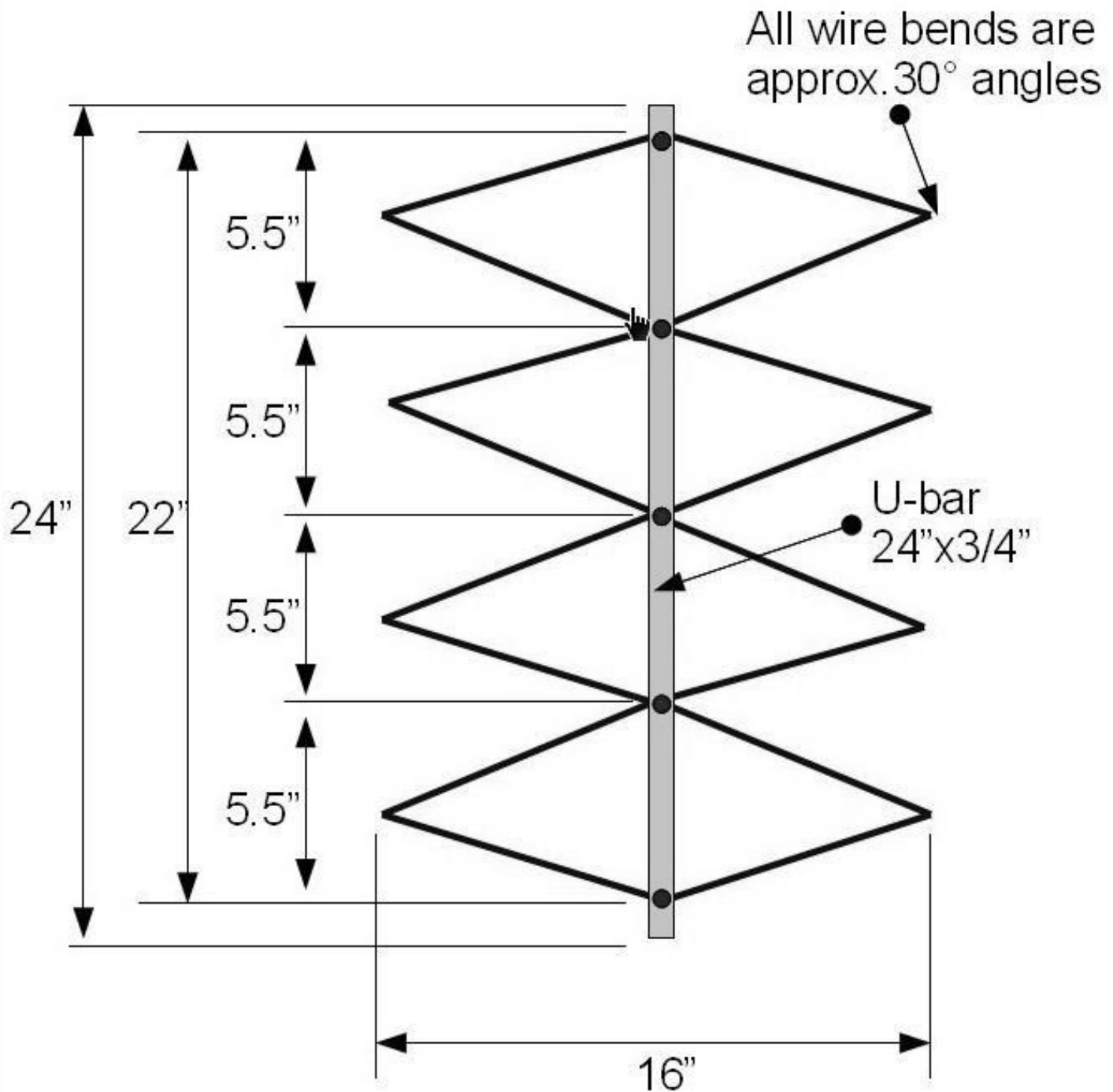
Attach the butt-ends last

### Step 5

These butt-end nuts must be very tight into the cup-washer

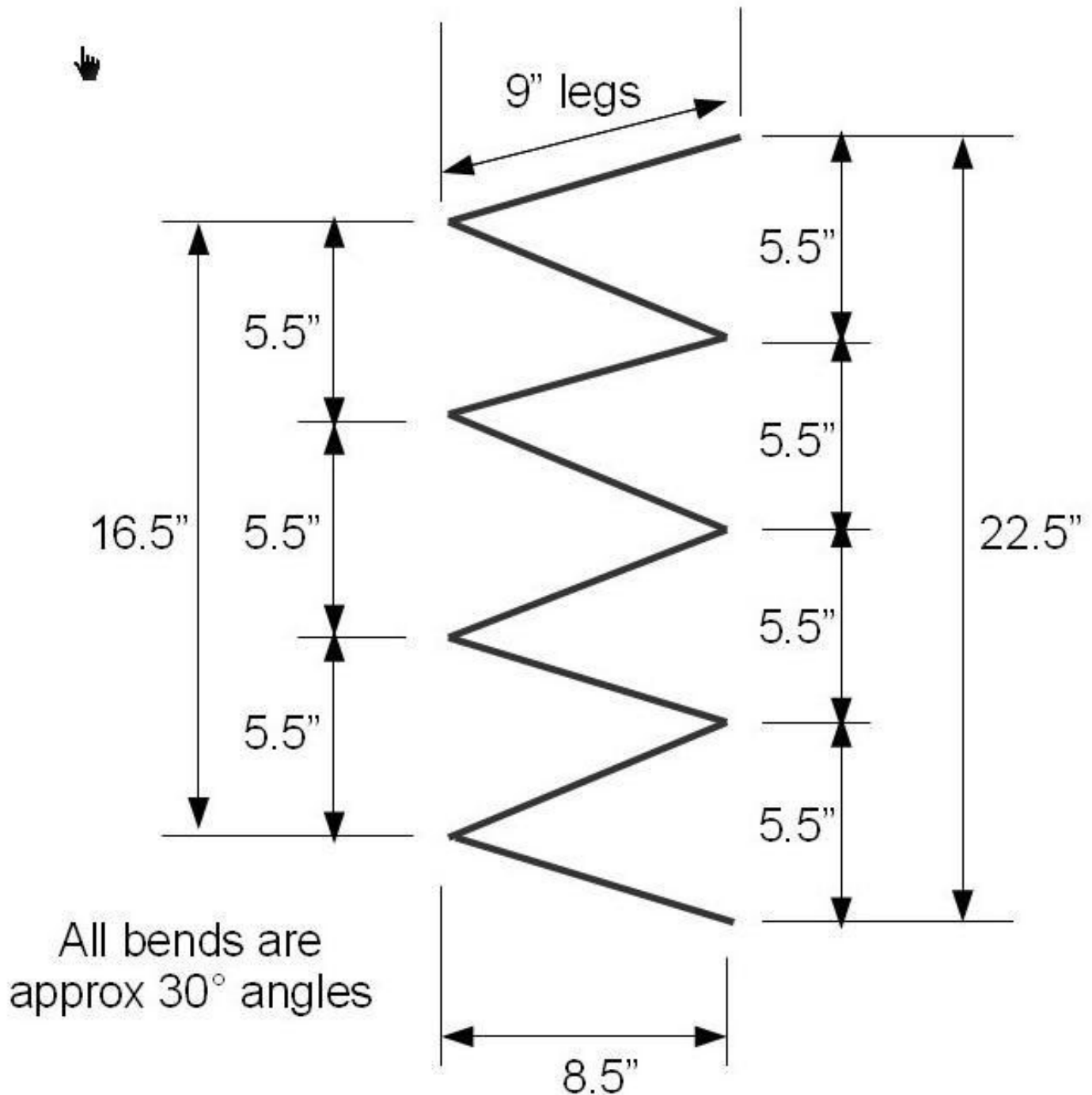
View of the curled cup washer

# SSH III ZZ4 Reflector Assembly





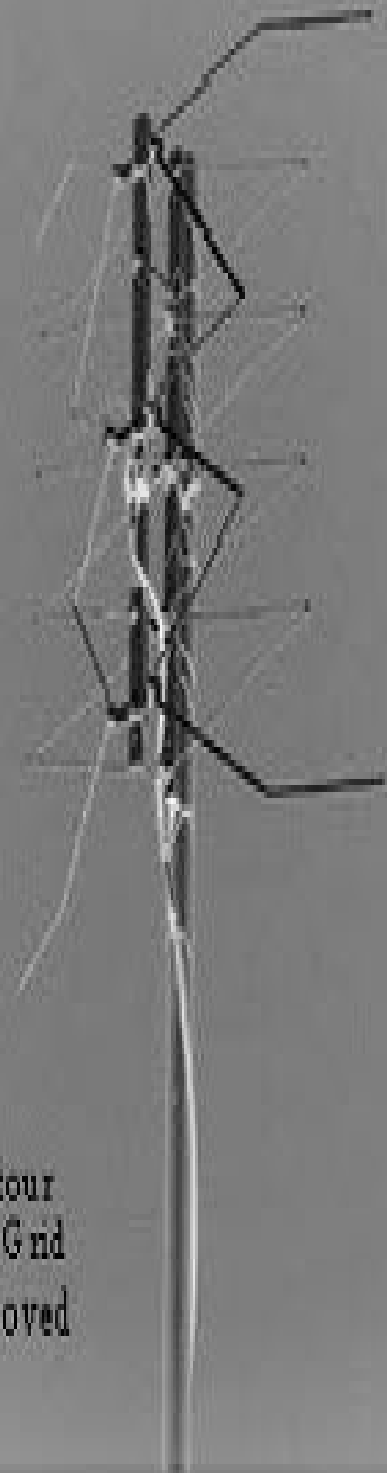
# 3D Super Stealth Hawk III ZZ4 element



\*Design by: ota\_canuck

[http://www.digitalhome.ca/forum/members/64090-ota\\_canuck.html](http://www.digitalhome.ca/forum/members/64090-ota_canuck.html)

## 3D Super Stealth Hawk Antenna III



### Estimated Antenna Performance:

- VHF 7+db gain
- UHF 11+db gain
- Urban rating without preamp
- Suburban/fringe rating with preamp
- RF channels: 7-13 & 14-51
- Beamwidth @ 80° for Xtra-wide contour
- Wide-directional with ZZ4 Reflector Gnd
- Bi-directional with the ZZ4 Gnd removed